

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

PUBLICATION NUMBER : 2000210783  
PUBLICATION DATE : 02-08-00

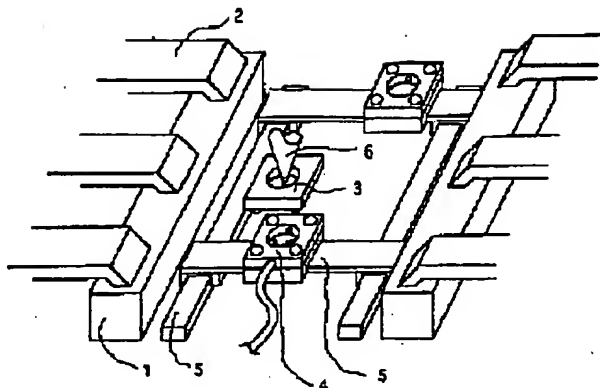
APPLICATION DATE : 22-01-99  
APPLICATION NUMBER : 11013717

APPLICANT : NISSAN MOTOR CO LTD;

INVENTOR : SUZUKI KENJI;

INT.CL. : B23K 26/00 B23K 26/02 B23K 26/08  
B23K 26/14 B23K 37/04

TITLE : WELDING EQUIPMENT FOR CURVED  
BLANK STOCK



ABSTRACT : PROBLEM TO BE SOLVED: To provide welding equipment for a curved blank stock in which one jig copes with even welding for plural materials having different abutting line shapes without changing the setup of the jig, also a weld penetrating state is monitored with excellent precision and a welding spot is back shielded.

SOLUTION: In a work fixing jig used in laser beam welding for a blank stock whose abutting line is a curved line, a pair of upper and lower work supporting parts 3, 4 transferring on a flat surface together with a laser beam irradiating part and a work fixing tip part are provided, a photo sensor for detecting the brightness of plasma light penetrating down to the lower side of a work in weld penetration is incorporated in the lower supporting part 4, and a gas nozzle for gas shielding the welding spot in the lower part of the work is incorporated in the lower supporting part 4.

COPYRIGHT: (C)2000,JPO

BEST AVAILABLE COPY